

Joint Fire Science Program 2006 Projects

Administrative Studies, Demonstration Sites, and Local Needs Projects

Title

Do Annual Prescribed Fires Enhance or Slow the Loss of Coastal Marsh Habitat at Blackwater NWR and Fishing Bay WMA?

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Collaborators

Chesapeake Marshlands National Wildlife Refuge Complex
Patuxent Wildlife Research Center

Title

Effect of Season and Interval of Prescribed Burns in a Ponderosa Pine Ecosystem on Tree Growth and Understory Vegetation

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Collaborators

Pacific Northwest Research Station

Title

Experimental Study of Local Fire Conditions and Effects on Surface or Near-Surface Archeological Resources at National Park Service Units- Midwest Region.

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Collaborators

Knife River Indian Villages National Historic Site
Midwest Archeological Center
Northern Great Plains Ecoregion

Title

Fire and Fuel Management in Coast Redwood

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Collaborators

North Coast Redwoods District
Pacific Southwest Research Station
Redwood National and State Parks
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Joint Fire Science Program 2006 Projects

Administrative Studies, Demonstration Sites, and Local Needs Projects

Title

Fuel Consumption and Smoke Emissions From Landscape-Scale Burns in Eastern Hardwoods

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Collaborators

Northeast Research Station
Northeastern Research Station
Pacific Northwest Research Station
Rocky Mountain Research Station

Title

Ponderosa Pine Stand Responses to 30 Years of Rotational Prescribed Burning

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Collaborators

Pacific Southwest Research Station, Riverside Fire Lab
Rocky Mountain Research Station

Title

Quantifying the Effects of Fuels Reduction Treatments on Fire Behavior and Post-Fire Vegetation Dynamics

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Collaborators

Alaska Fire Service
Pacific Northwest Research Station
Rocky Mountain Research Station

Title

Reciprocal Interactions Between Bark Beetles and Wildfire in Subalpine Forests: Landscape Patterns and the Risk of High-Severity Fire

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Collaborators

Yellowstone National Park

Joint Fire Science Program 2006 Projects

Administrative Studies, Demonstration Sites, and Local Needs Projects

Title

Restoring Fire to Endemic Cypress Populations in Northern California

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Collaborators

Cascade Province

Northern Province

Pacific Southwest Research Station

Plumas National Forest, Feather River Ranger District

Title

Validation of National Burn Severity Mapping Project Techniques in Selected Southeastern US Ecosystems

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Collaborators

EROS Data Center

Regional Fire Mgt. Field Office

Remote Sensing Applications Center

Tall Timbers Research Station

Joint Fire Science Program 2006 Projects

Air Quality, Smoke Management and Climate

Title

Rapid Response Field Observations to Calibrate the BlueSky Smoke Prediction Model

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Collaborators

Pacific Wildland Fire Science Lab
PNW- AirFire

Joint Fire Science Program 2006 Projects

Fire and Invasive Plant Species

Title

Invasive Species Response to Fire and Post-Fire Rehabilitation Following the 2005 School Fire, Umatilla National Forest

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Collaborators

RMRS, Forestry Sciences Lab, Natural Resources Research Center
Rocky Mountain Research Station
Umatilla National Forest

Title

The Use of Fire as a Tool for Managing Invasive Weeds

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Collaborators

Western Ecological Research Center

Joint Fire Science Program 2006 Projects

Fire Effects and Fuels Treatment Effects

Title

A Comparison of Presettlement Vegetation and Fire Regimes with Current Patterns in Oak Woodlands and Shrublands of SW Oregon

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Collaborators

Medford District
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Title

A Regional Assessment of the Ecological Effects of Chipping and Mastication Fuels Reduction and Forest Restoration Treatments

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Collaborators

Rocky Mountain Research Station

Title

A Synthesis of Post-Fire Road Treatments for BAER Teams: Methods, Treatment Effectiveness, and Decision-Making Tools for Rehabilitation

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Collaborators

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Title

Compiling, Synthesizing and Analyzing Existing Boreal Forest Fire History Data in Alaska

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Collaborators

Alaska Regional Office
Pacific Northwest Research Station
Yale School of Forestry and Environmental Studies

Joint Fire Science Program 2006 Projects

Fire Effects and Fuels Treatment Effects

Title

Developing and Using Fire Scar Histories in the Southern and Eastern United States

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Guyette, Richard P.

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Collaborators

Daniel Boone National Forest
Great Smoky Mountains National Park
North Central Research Station
Southern Research Station

Title

Estimating Canopy Fuels and Their Impacts on Potential Fire Behavior for Ponderosa Pine in the Black Hills, South Dakota

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Collaborators

Rocky Mountain Research Station

Title

Evaluating and Predicting Postfire Salvage Logging Effects on Erosion

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Collaborators

Department of Forest Science
RMRS, Forestry Sciences Lab, Natural Resources Research Center
Rocky Mountain Research Station

Title

Evaluating Approaches to Mapping Burn Probabilities for Quantitative Wildland Fire Risk Analysis Framework.

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Rocky Mountain Research Station
Umatilla National Forest

Joint Fire Science Program 2006 Projects

Fire Effects and Fuels Treatment Effects

Title

Fire Effects on Seedbanks and Vegetation in the Eastern Mojave Desert: Implications for Postfire Management

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Collaborators

Western Ecological Research Center

Title

Fuel Reduction Treatment Longevity and Crown Response in Interior Ponderosa Pine Forests of Northern California

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Collaborators

Pacific Southwest Research Station

Pacific Southwest Research Station, Silviculture Lab

Title

Fuel Succession, Post-Fire Logging, and Future Fire Behavior: Addressing the Reburn Problem

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Okanogan-Wenatchee National Forest

Pacific Northwest Research Station

Title

Fuel Treatment Effectiveness in the United States

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Collaborators

EROS Data Center

South Dakota State University

Joint Fire Science Program 2006 Projects

Fire Effects and Fuels Treatment Effects

Title

Historic Fire Frequency in Mountain Big Sagebrush Communities of the Eastern Great Basin and Colorado Plateau: A Comparison of Estimates Based Upon Proxy Fire Scar Records and Predictions Derived from Post-Fire Succession Rates.

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Kitchen, Stanley G.

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Collaborators

Rocky Mountain Research Station

Title

Holocene Records of Fire in the Subalpine Forests of Utah: Linkages to Climate Change, Forest Composition and Beetle Infestations

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Collaborators

Forest Health Protection- Ogden Field Office
Geography Department

Title

Low-intensity Fires May be Adequate for Stand Replacement of Table Mountain Pine in the Southern Appalachian Mountains.

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Collaborators

Northeast Research Station
Southern Research Station

Title

Modeling Forest Change and Management Alternatives on a Restored Landscape

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Collaborators

Grand Canyon-Parashant National Monument

Joint Fire Science Program 2006 Projects

Fire Effects and Fuels Treatment Effects

Title

Modeling Habitat and Population Responses of At-Risk Woodpecker Species to Post-Fire Salvage Logging

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Collaborators

Pacific Northwest Region
Rocky Mountain Research Station

Title

Multi-Century Reconstruction of Chaparral Fire History Using Fire-Scarred Bigcone Douglas-Fir in Three Southern California National Forests.

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Collaborators

Los Padres National Forest
The Laboratory of Tree-Ring Research

Title

Optimizing Spatial and Temporal Treatments to Maintain Effective Fire and Non-Fire Fuels Treatments at Landscape Scales

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Collaborators

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Title

Photo Series for Estimating Post-Hurricane Fuels in Forest Types of the Southeast United States

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Collaborators

Pacific Northwest Research Station
Regional Fire Mgt. Field Office
Tall Timbers Research Station

Joint Fire Science Program 2006 Projects

Fire Effects and Fuels Treatment Effects

Title

Post-Fire Treatment Impacts on Fine Fuels in Westside Sierra Nevada Forests

Primary Contact

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Collaborators

Western Ecological Research Center

Title

Reconstructing Fire Regimes in Tundra Ecosystems to Inform a Management-Oriented Ecosystem Model

Primary Contact

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Collaborators

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Title

Reprint Effects of Fire on Soil and Water volume of the rainbow series

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Joint Fire Science Program 2006 Projects

Other Projects

Title

Developing a Science Integration Strategy for JFSP

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Collaborators

Pacific Northwest Research Station

Joint Fire Science Program 2006 Projects

Planning, Preparedness and Decision Support

Title

Delivery and Demonstration of a Surface Wind Simulation Tool for Fire Management Decision Support

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Collaborators

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Title

Expansion of the Southern Variant of the Fire and Fuels Extension for the Forest Vegetation Simulator

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Collaborators

Department of Forestry
Forest Management Service Center

Joint Fire Science Program 2006 Projects

Social and Economic Impacts

Title

A Feasibility Assessment of a Methodology to Evaluate the Costs and Benefits of Large Scale Treatment Programs Under Conditions Approximating Real-World Fire, Climate, Vegetation and Economic Conditions

Primary Contact

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Collaborators

Southern Research Station
Umatilla National Forest

Title

Longitudinal Analysis of Public Responses to Wildland Fuel Management: Measures to Evaluate Change and Predict Citizen Behaviors in Agency Decision Processes.

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Collaborators

North Central Research Station

Joint Fire Science Program 2006 Projects

Workshops and Symposia

Title

International Symposium Forest Fires and Air Quality Issues

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Title

Third International Fire Ecology and Management Congress

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Collaborators

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